

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application

Washington, D. C. 20231

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) are the specification and claims of the nonprovisional patent application of:

Seiji SARAYAMA, Masahiko SHIMADA, Hisanori YAMANE and Masato AOKI for
Inventors

CRYSTAL GROWTH METHOD, CRYSTAL GROWTH APPARATUS, GROUP-III NITRIDE CRYSTAL AND
GROUP-III NITRIDE SEMICONDUCTOR DEVICE

Title of Invention

APPLICATION ELEMENTS ENCLOSED:

1. X Specification (total pages 110) including:
 - a. 20 pages of claims (58 claims)
 - b. 1 page(s) Abstract
2. X 19 sheets of informal X formal drawings (Figs. 1-20B)
3. X Oath or declaration of Applicants (3 total pages)
 - a. X Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Item 14 completed)
4. Deletion of Inventor(s)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
5. Incorporation By Reference
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied in item 3b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. Microfiche Computer Program (Appendix)

APPLICATION PARTS ENCLOSED:

7. X An assignment (cover sheet & document(s)) ✓
8. 37 CFR 3.73(b) Statement (when there is an assignee)
9. X Power of Attorney
 - a. X Newly executed (original or copy)
 - b. Copy from a prior application

10. X Information Disclosure Statement (IDS)/PTO-1449
X Copies of IDS Citations
11. ___ A Preliminary Amendment
12. X Return Receipt Postcard (MPEP 503)
13. ___ A small entity statement under 37 C.F.R. §1.9 and §1.27
___ Statement filed in prior application, status still proper and desired
14. ___ If a Continuing Application, *check the appropriate box and supply the requisite information:*
☐ Continuation of prior application No.: _____ filed _____

☐ Divisional of prior application No.: _____ filed _____

☐ Continuation-in-part (CIP) of prior application No.: _____ filed _____
15. ___ Amend the specification by inserting before the first line of page one: --This is a ___ continuation
___ divisional of application Serial No. _____ filed _____--
16. X Priority of application Nos. 2000-318723, 2000-318988, 2000-324272 filed in Japan on October 19, 2000, October 19, 2000 and October 24, 2000. Applicant hereby claims priority under 35 U.S.C. § 119.
X A certified copy of priority application No. 2000-318723, 2000-318988, 2000-324272 is enclosed.
___ A certified copy of priority application No. _____ has been filed in prior application
S.N. _____ filed _____
17. ___ Other (identify) _____

The filing fee is calculated as follows:

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

					Rate			Fee	
	Number Filed		Number Extra*		Small Entity	Other Entity		Small Entity	Other Entity
Total Claims	58-20	=	38	x	\$ 9	\$ 18	=	\$	\$ 684
Indep. Claims	8-3	=	5	x	\$ 42	\$ 84	=	\$	\$ 420
Multiple Dependent Claims Presented: Yes ___ No <u>X</u>					\$140	\$280	=	\$	\$ 0
If the difference in column 1 is less than zero, enter "0" in column 2					Basic Fee			\$ 370	\$ 740
					Total Fee				\$ 1,844

18. X A check in the amount of \$1,844.00 to cover the filing fee.
19. Please charge Deposit Account No. 03-3125 in the amount of \$ 40.00 for recordation of the Assignment.
20. X The Commissioner is hereby authorized to charge any additional fees which may be required in connection with the following or credit any overpayment to Deposit Account No. 03-3125.
- X Filing fees under 37 C.F.R. § 1.16.
- X Patent application processing fees under 37 C.F.R. §1.17.
- The issue fee set in 37 C.F.R. §1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. §1.311(b).
21. X Three copies of this sheet are enclosed.
22. Other (identify) _____

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jc698 U.S. PTO

10-19-01

Dkt. 2271/66100

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

jc997 U.S. PTO
09/981848
10/91/01

Application of : Seiji SARAYAMA et al.

Serial No. : Not Yet Assigned

Group Art Unit:

Date Filed : Concurrently Herewith

Examiner:

For : CRYSTAL GROWTH METHOD, CRYSTAL GROWTH
APPARATUS, GROUP-III NITRIDE CRYSTAL AND GROUP-III
NITRIDE SEMICONDUCTOR DEVICE

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Assistant Commissioner for Patents
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Washington, D.C. 20231

EXPRESS MAIL
LETTER OF TRANSMITTAL

Express Mail mailing label number: EL531588483US

Date of Deposit: October 16, 2001

I hereby certify that the above-identified application consisting of a 110-page specification, 58 claims, 19 sheets of formal drawings, executed Declaration and Power of Attorney, executed Assignment, 1595 recordation form, and a check for \$40.00 for recordation fee, Information Disclosure Statement, Form PTO-1449 and copies of cited references, certified copy of Japanese Priority Document Nos. 2000-318723, 2000-318988 and 2000-324272, 3 copies of transmittal form, and check for \$1,844 filing fee, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.



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